Status of the Claims

1.   (Previously Presented) A method of operating a home gateway system comprising:

connecting a telephone to a data telephony interface of the home gateway system;

detecting a dialing of a destination telephone number;

triggering on a call request at a switch of the home gateway system and sending a query to a processor of the home gateway system;

receiving a reply from the processor including a telephone number of an internet service provider;

establishing a telephony connection with the internet service provider based on the telephone number of the internet service provider in response to the dialing of the destination telephone number; and

sending a message to the internet service provider including the destination telephone number.

2.   (Previously Presented) The method of claim 1, further including:

receiving an audio signal from the telephone;

digitizing the audio signal to form a digitized signal;

packetizing the digitized signal to form a plurality of outgoing packets; and

transmitting the plurality of outgoing packets to the internet service provider.

3.   (Previously Presented) The method of claim 2, further including:

      receiving a plurality of incoming packets from the internet service provider;

      converting the plurality of incoming packets into an incoming audio signal; and

      connecting the incoming audio signal to the telephone.

4.   (Previously Presented) The method of claim 1, wherein establishing the telephony connection with the internet service provider comprises:

      establishing a wireless local loop connection to a base station; and

      connecting the base station to the internet service provider.

5.   (Previously Presented) The method of claim 2, wherein digitizing the audio signal to form the digitized signal comprises compressing the digitized signal.

6.   (Previously Presented) The method of claim 2, wherein transmitting the plurality of outgoing packets to the internet service provider comprises:

      determining a priority of the plurality of outgoing data packets; and

      when the priority is low, storing the plurality of outgoing data packets until all high priority data packets have been transmitted.

Claims 7-12 (Cancelled)

13.   (Previously Presented) A home gateway system comprising:

a transceiver;

a switch connected to the transceiver;

a processor connected to the switch; and

a router connected to the switch, the router to receive a data packet from an internal port with an external address, the router to send a request to the processor to establish a communication session with an internet service provider, and the processor to direct the transceiver to establish a telephony connection with the internet service provider.

14.   (Previously Presented) The home gateway system of claim 13, wherein the transceiver is to establish a wireless local loop connection to a base station as part of the telephony connection.

15.   (Previously Presented) The home gateway system of claim 13, wherein the processor is to direct the transceiver to setup an asymmetric data channel.

16.   (Original) The home gateway system of claim 13, further including a television processing system connected to the router.

17.   (Previously Presented) The home gateway system of claim 16, wherein the television processing system is to receive information from an internet information provider, and to send the information via a selected channel of a television.

18.   (Previously Presented) The home gateway system of claim 17, wherein the television processing system is to receive an email request, direct the processor to download an email to the television processing system, and to send the email via the selected channel of the television.

19.   (Original) The home gateway system of claim 13, further including an emergency broadcast network receiver connected to the television processing system.

20.   (Original) The home gateway system of claim 13, further including a voice mail system.

21.   (Previously Presented) A home gateway system comprising:

a transceiver including a vocoder and a multiplexer;

a switch connected to the transceiver having a telephony input and a data telephony input;

a processor connected to the switch;

a router connected to the switch and capable of routing data between a plurality of ports;

a television processing system connected to the router, the television processing system capable of receiving information from the router and sending the information over a predetermined channel to a television for display; and

an emergency broadcast system receiver connected to the television processing system; wherein the switch is to receive a destination address via the data telephony input and to send a query to the processor, wherein the processor is to return a response including an internet phone provider number, wherein the switch is to pass the internet phone provider number to the transceiver, and wherein the transceiver is to establish a telephony connection with an internet phone provider including a wireless local loop connection to a base station.

22.   (Previously Presented) The method of claim 1, wherein the call request is associated with the dialing of the destination telephone number.